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<http://www.nasaeuropachallenge.com/>  
<http://www.nasaeuropachallenge.com/criteria.html>

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Accept the Challenge

1. Organization:

Team Project - City of Springfield, Oregon and KGiSL Institute of Technology, Coimbatore, India

2. Project Title:

Secure Public Portal

3. Project Description:

The City of Springfield, Oregon and the KGiSL Institute of Technology (Coimbatore, India) have teamed up to provide a secure public information portal based on NASA WorldWind technology. Deploying a full open source stack, a rigorous hardening process and a set of secure spatial ETL (extract, transform and load) connectors, the goal is open data through secure services. Solution supports community planning, design, construction and environmental protection. Future plans extend affordable public safety and medical services to underprivileged sectors of the community.

The aim is an affordable open blueprint to develop and sustain basic public information services in an increasingly hostile cyber environment.

4. Team Members:

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5. Mentor:

1. Brandt Melick (bmelick@springfield-or.gov)

Project Goal:

The software application may address any number of issues: scientific research, navigation, aviation and satellite industry, education, city infrastructure (water, sewer, property parcels, etc.), etc

Judging Criteria:

- **Sophistication:** Level of difficulty, number of functions, data accessibility, degree of challenge to data analysis. [20 POINTS]
- **Performance:** Given the amount of data being digested and viewed, in 3D and more intensely in 4D, does the performance appear effective at delivering that data? The more data being managed, the more impressive the program's ability to deliver it, i.e., 4D > 3D alone. [20 POINTS]
- **User Interface:** Intuitive, efficient, allowing control over data selection, time series, etc. [20 POINTS]
- **Website:** Documentation sufficient and effective. [20 POINTS]
- **Idea:** How compelling is the application purpose? Do you see the application providing significant value to the community being served? [10 POINTS]
- **Outreach:** Any coordination with other University departments, outside agencies or the actual user community? [10 POINTS]

Schedule:

7th August

- ✓ **Project submittal**
- **Short video**, no longer than 3-minutes, showing the application in action and highlighting the core functionalities
- **Webpage** that describes your project, with some screenshots and a link to your code repository, documentation and your video

29th – 31th August

- **Finals in Finland** - Judges for the Europa Challenge include the Europa Challenge Board and the mentor from each of the projects. A mentor may not judge their own project nor any project from their own school. The top three teams for each category, High school, Research and Professional Project, will each receive the Europa Challenge crystal bull award.